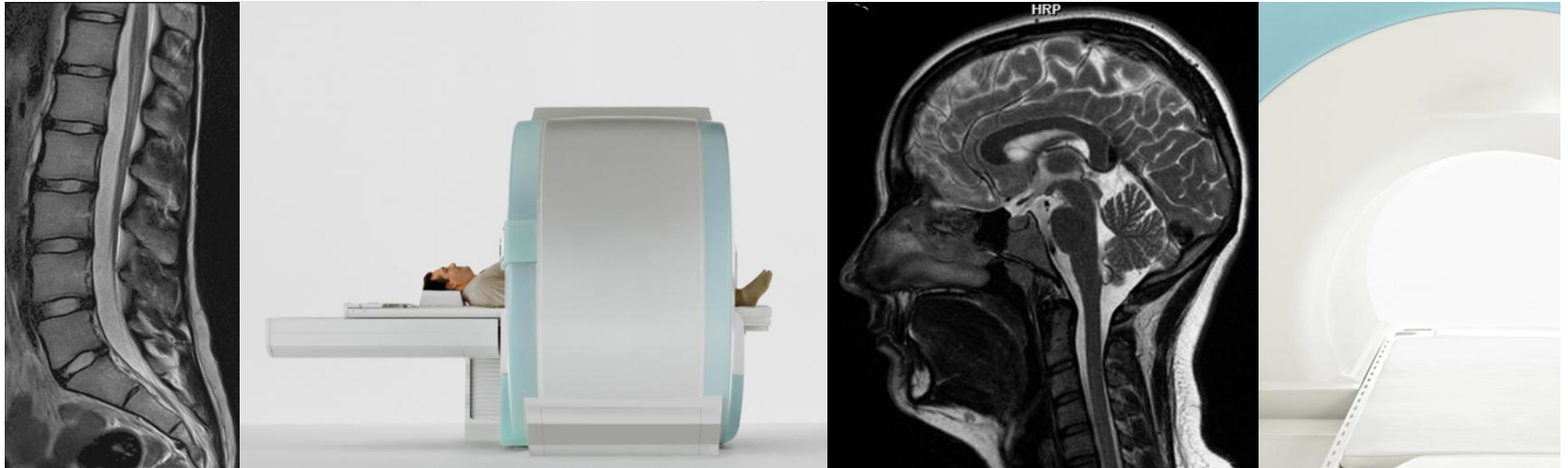
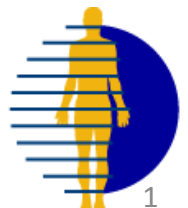


## Washington Imaging Services' new **Espree™** **Large Opening, Short Bore, High Field 1.5T** **MRI** provides a quantum step forward in diagnostic imaging



The first Open Bore with Tim. Unprecedented  
patient comfort in 1.5T



# WASHINGTON IMAGING SERVICES

The innovation continues at WIS. Our pledge to provide leading-edge medical technology to our referring physicians and to our patients is very important to us. Our new Espree MRI continues that pledge.

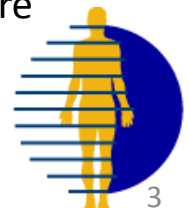


## MAGNETOM Espree

### Comfort, Speed, High Field



- Large Airy Room with windows
- Short Scan Times
- 1.5T Resolution in a short bore Open MRI
- Perfect for anxious patients, those unable to lay still long, pediatrics, very large, and claustrophobic patients
- Excellent technologists committed to your comfort and care



# WASHINGTON IMAGING SERVICES

## Ten Reasons why our **MAGNETOM Espree** offers Excellent Patient Comfort

47 cm (1'7") low table height



950 gr (2.1 lbs) coil weight



distance to isocenter: 62,5 cm (2'1")



Feet First Exams



65° wide viewing angle



# WASHINGTON IMAGING SERVICES

## Ten Reasons why our **MAGNETOM Espree** offers Excellent Patient Comfort

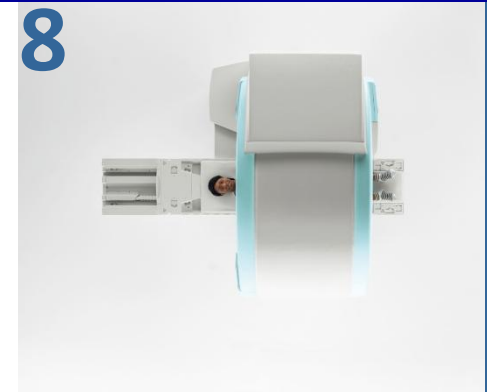
55.5 cm (1'10") patient gap



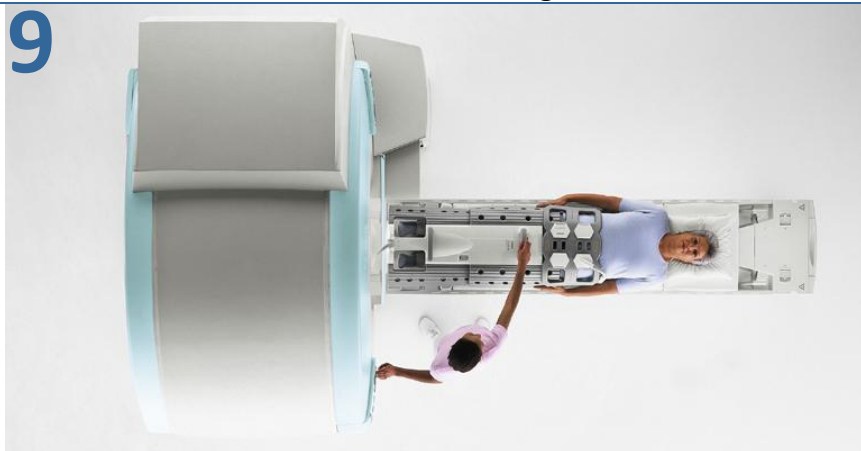
30 cm (1 foot) of head room



Lumbar Spine Exams  
at 1.5 T with head outside



60% of anatomy can be performed  
head outside the magnet



70 cm (2'3") patient bore



## The Eastside's only 1.5T Open Bore High Field MRI

70cm + 125cm + 1.5T

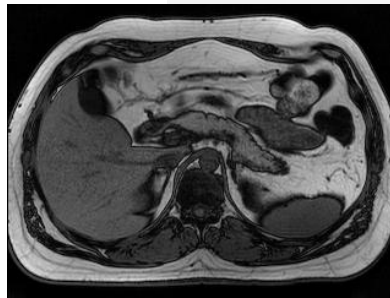


- More patient space: 55 cm (1'10")
- More head room: 30 cm (1')
- More outlook: 65° viewing angle
- And the most open lumbar scan in MRI

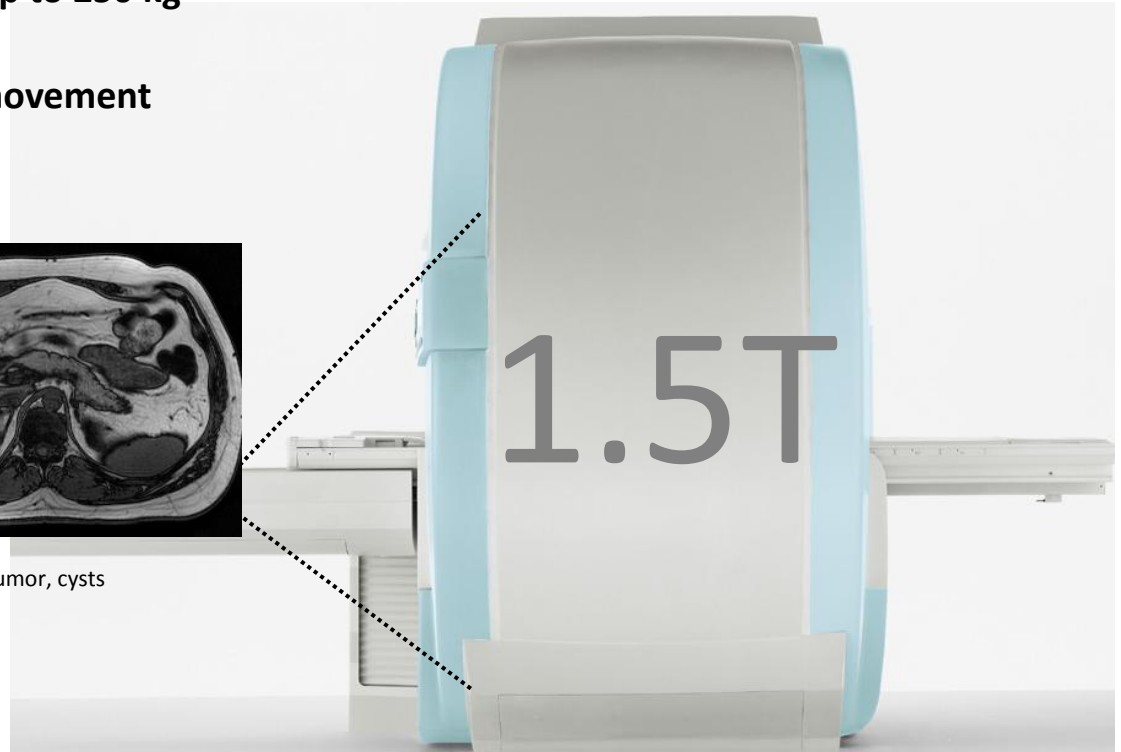


## Flexibility

- Build your own coil for special patient needs:
- obese, tall, pediatric, elderly up to 250 kg (550 lbs) patient weight
- horizontal and vertical table movement

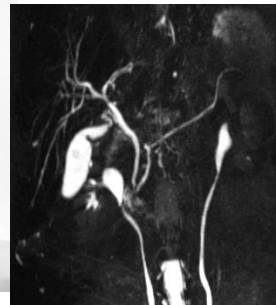


T2 HASTE, liver tumor, cysts



## Accuracy

- Excellent SNR with Matrix Coil
- MRCP with complete visualization of the bile duct
- Free breathing scan for optimal patient comfort



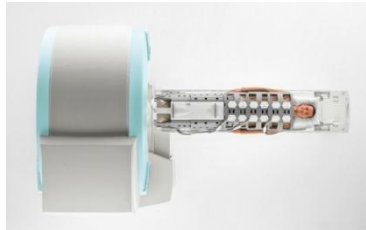
MRCP with 2D PACE and free-breathing. Complete visualization of the bile duct



# WASHINGTON IMAGING SERVICES

## Speed

- Parallel Imaging (PAT) 3 throughout the body
- Just 1 minute total scan time
- 1 x 1 x 1.5 mm<sup>3</sup> spatial resolution



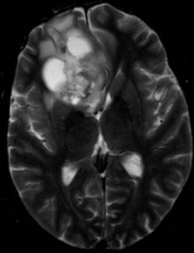
ce-MRA, PAT 3, 38 cm FoV per step  
5 steps, total TA 1 min, diabetes



# WASHINGTON IMAGING SERVICES

## Tim Application Suite

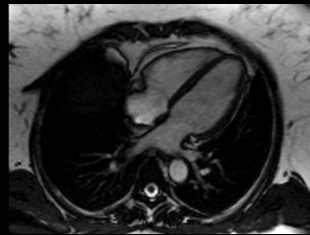
9 comprehensive application suites standard



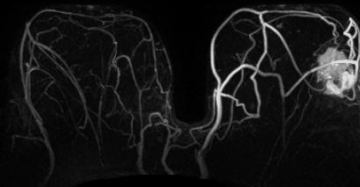
Tim Neuro Suite



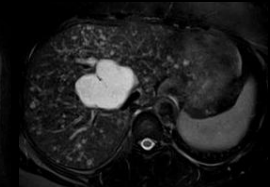
Tim Ortho Suite



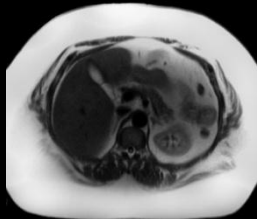
Tim Cardio Suite



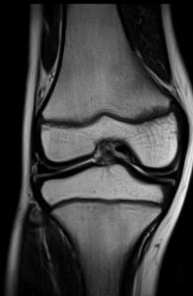
Tim Breast Suite



Tim Onco Suite



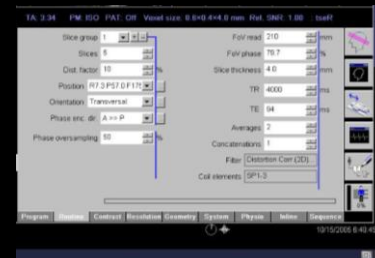
Tim Body Suite



Tim Pediatric Suite



Tim Angio Suite

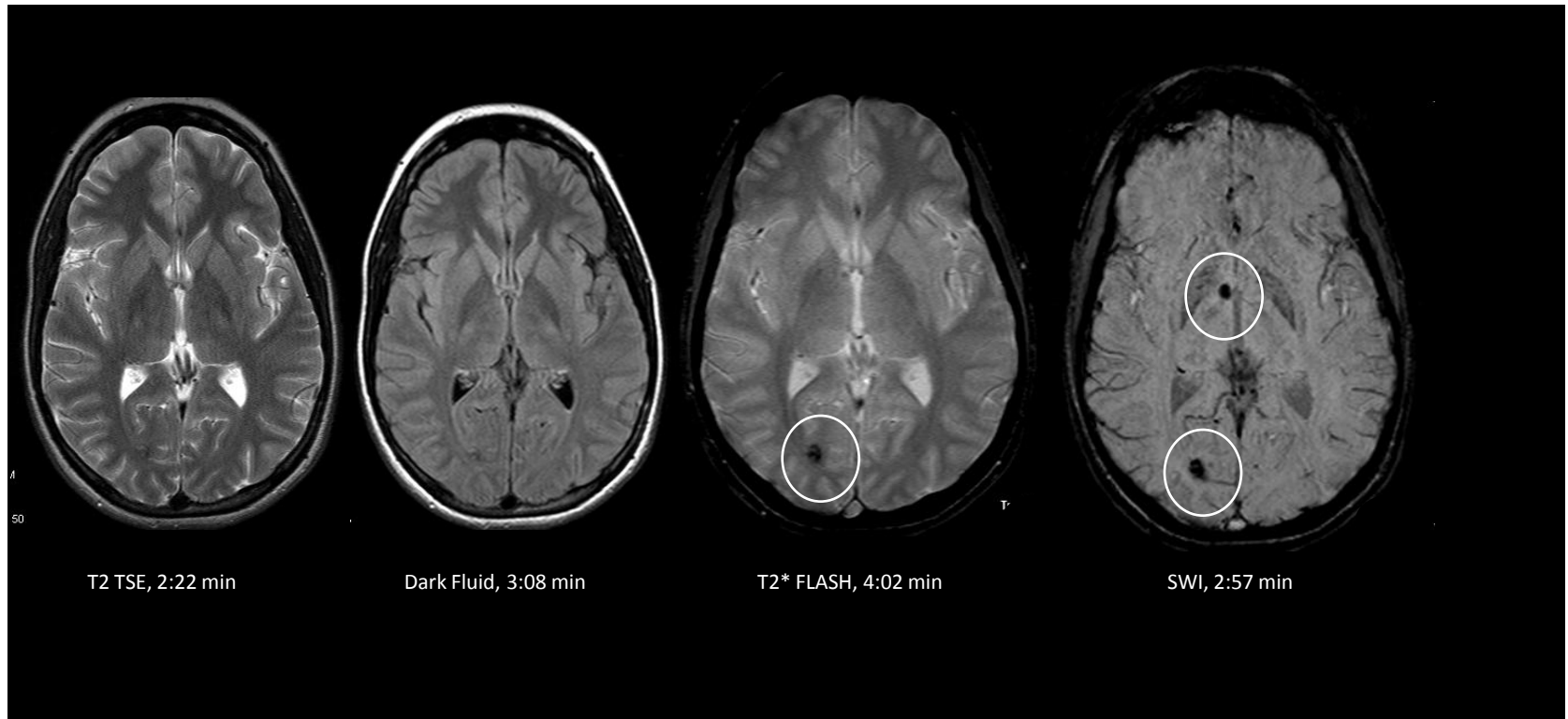


Tim Scientific Suite



## Tim Neuro Suite

High resolution in Neuro MR imaging



- Enhanced lesion conspicuity with Susceptibility Weighted Imaging
- SWI with GRAPPA for short scan times



# WASHINGTON IMAGING SERVICES

## Tim Neuro Suite

High resolution in Neuro MR imaging



T2 TSE Restore, 465 lbs

- Open Bore MRI with MAGNETOM Espree
- Patient's head out for 60% of anatomy including L-spine

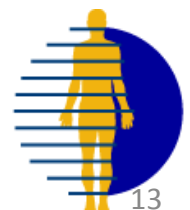


## Tim Angio Suite

Short exam times and large FoV



- Time of Flight MRA – without contrast agent – benefiting from the high SNR of the Head Matrix coil
- 3D ce-MRA in a single breath-hold with iPAT



## Tim Cardiac Suite

### Obesity & Heart disease



- Morphology
- Dark Blood HASTE  
PAT 2 with GRAPPA  
Cardiac tumor

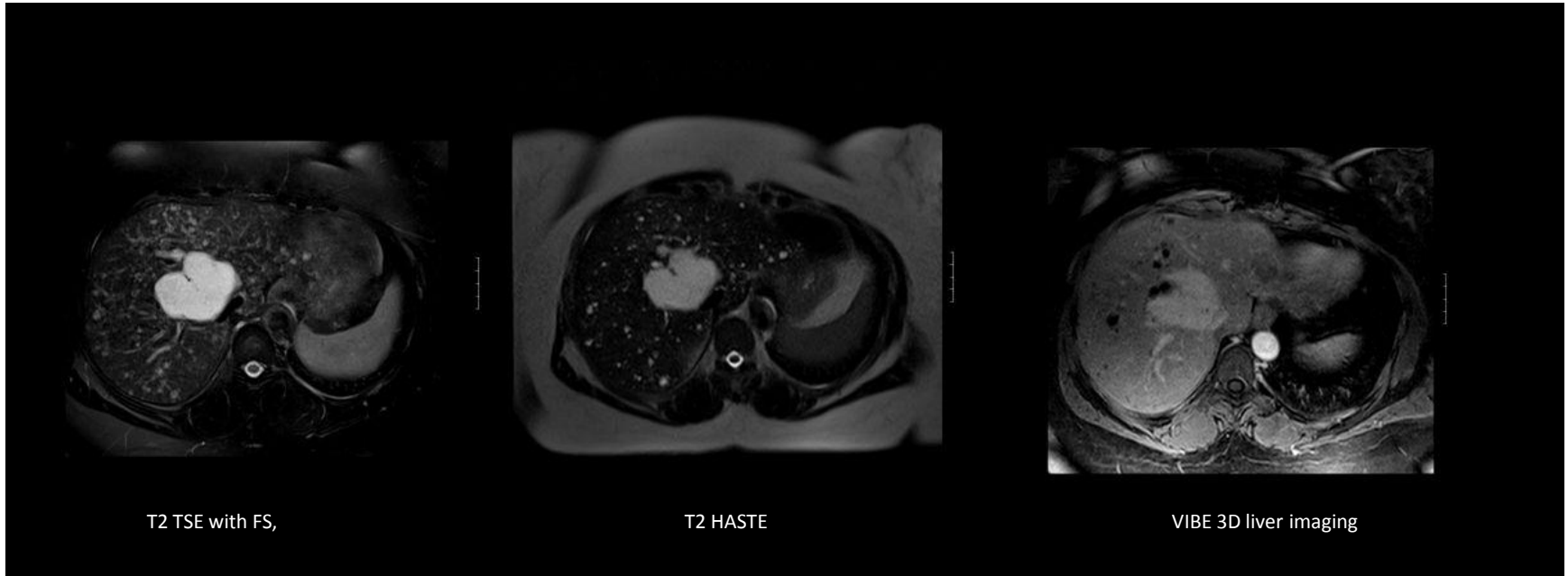
- Cardiac function
- TrueFISP cine retro, PAT 2 with GRAPPA, TA 6 s
- MRI Bremen-Mitte, Bremen, Germany

- **Obese have three fold higher risk to die from heart disease**
- **No limitation of the viewing angle as in echoHigh temporal resolution with Parallel Imaging (iPAT) in any slice orientation with Tim**
- **High temporal resolution with Parallel Imaging (iPAT) in any slice orientation with Tim**



## Tim Body Suite

Fast dynamic tumor evaluation

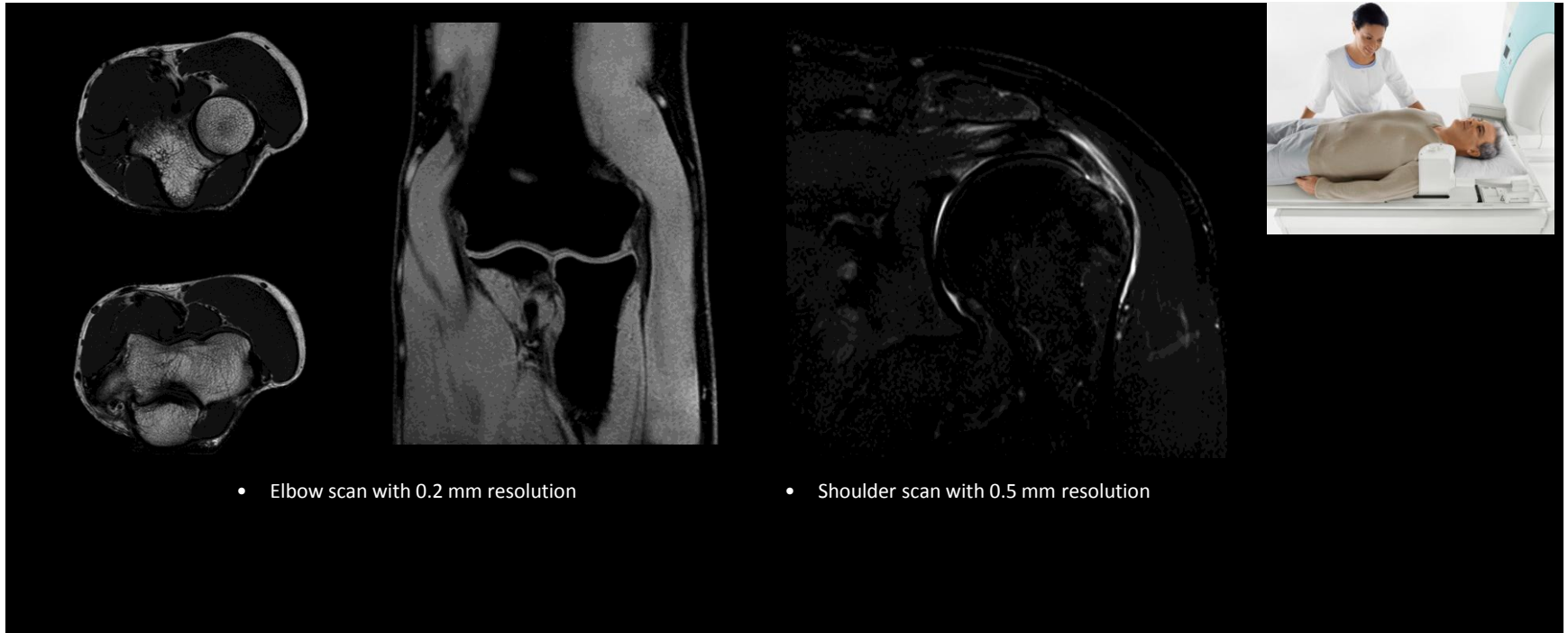


- Patient comfortable exam with ultra-light weight Body Matrix Coils (900 gram)
- Dynamic imaging with 3 D VIBE: 512 matrix and TA 28 s
- MAGNETOM Espree: open for all patients up to 550lbs/250kg



## Tim Ortho Suite

Excellence in orthopedic imaging



- Elbow scan with 0.2 mm resolution

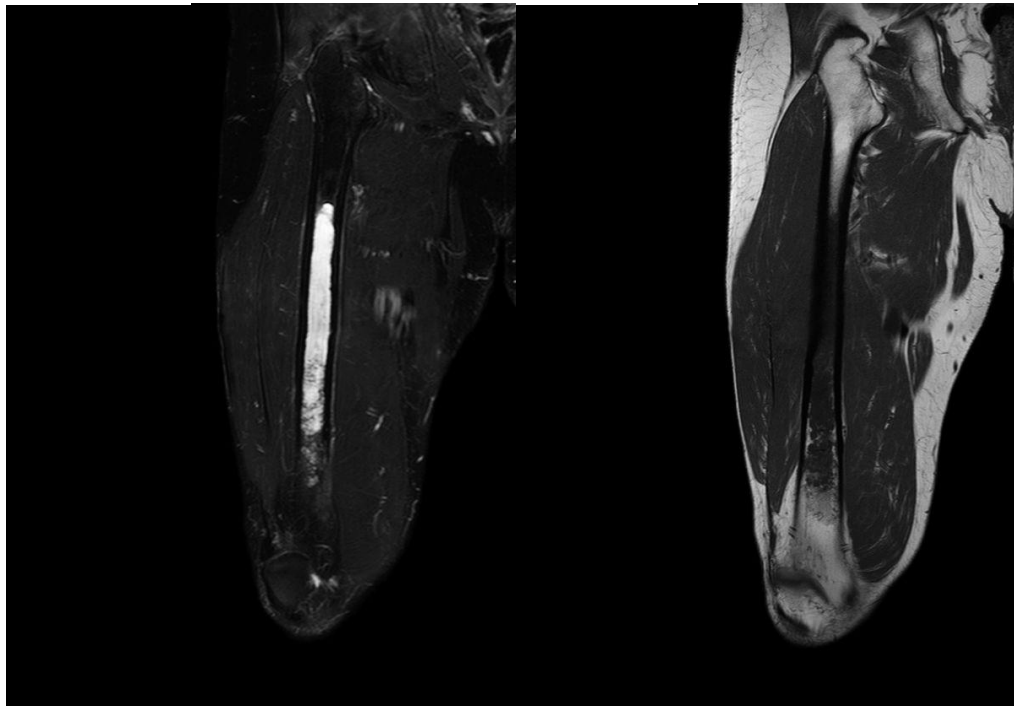
- Shoulder scan with 0.5 mm resolution

- Homogeneous off-center fat saturation
- Ultra-high spatial resolution
- Benefits from the power of 1.5T in Open Bore MRI



## Tim Ortho Suite

Excellence in orthopedic imaging



- wholeBONE, tumor case
- Mayo Clinic Jacksonville, FL, USA

- Expand your Field of View – wholeBONE imaging in 2 steps
- Flexible combination of 2 Body Matrix and Spine Matrix coils
- Bone tumor case



## Patient Perspective

**“I will never be claustrophobic in this one”**

- Claustrophobic acceptance like vertical field open systems - but now with 1.5T power – increased resolution and accuracy!
- More than 97% patient acceptance
- Access to most advanced exams for all patients – frequently the first time in their life this has been available
- **Serve new patients** - Serve the obese patients up to 250 kg (550 lbs) - currently unseen by most imaging centers

# WASHINGTON IMAGING SERVICES

## MAGNETOM Espree

A **Tim** System

**Only at Washington Imaging Services**

